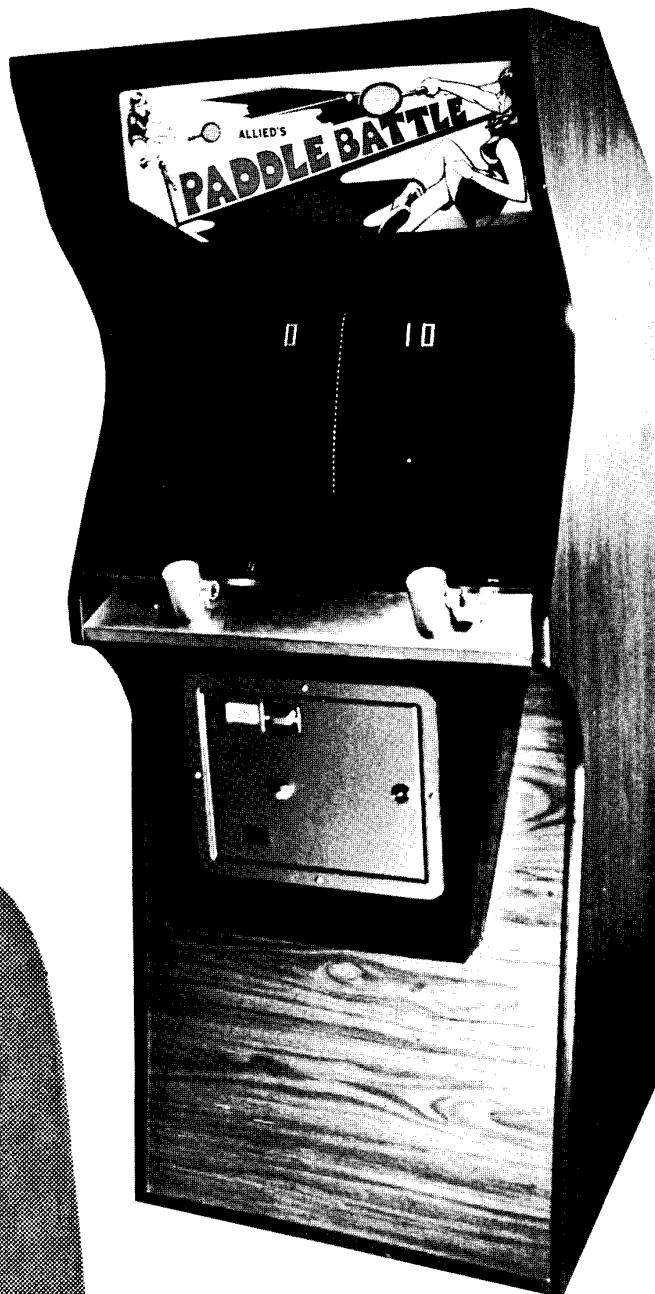
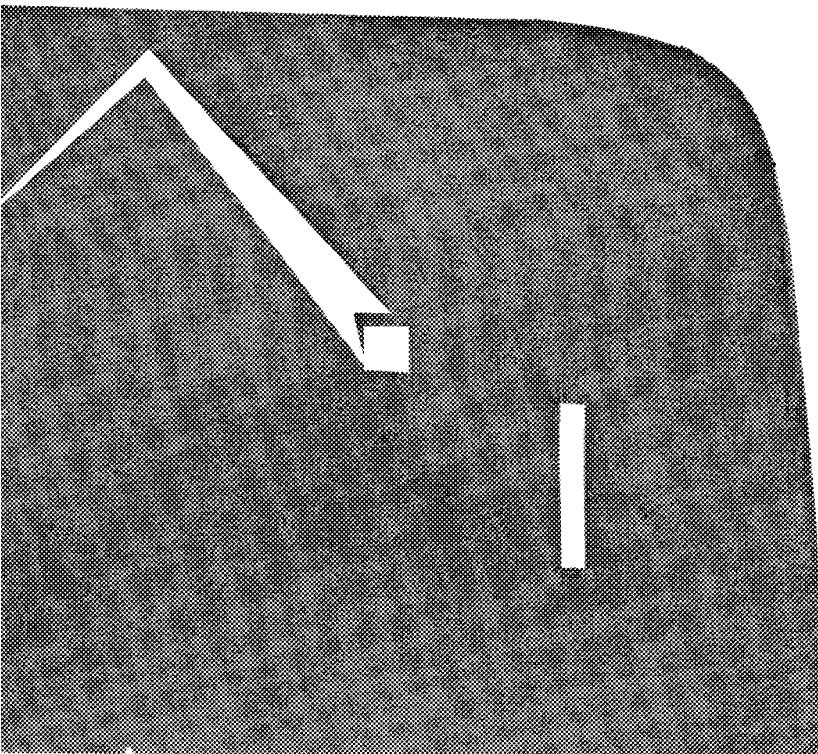


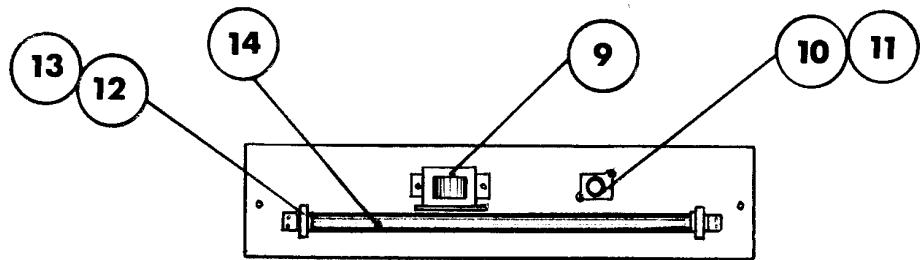
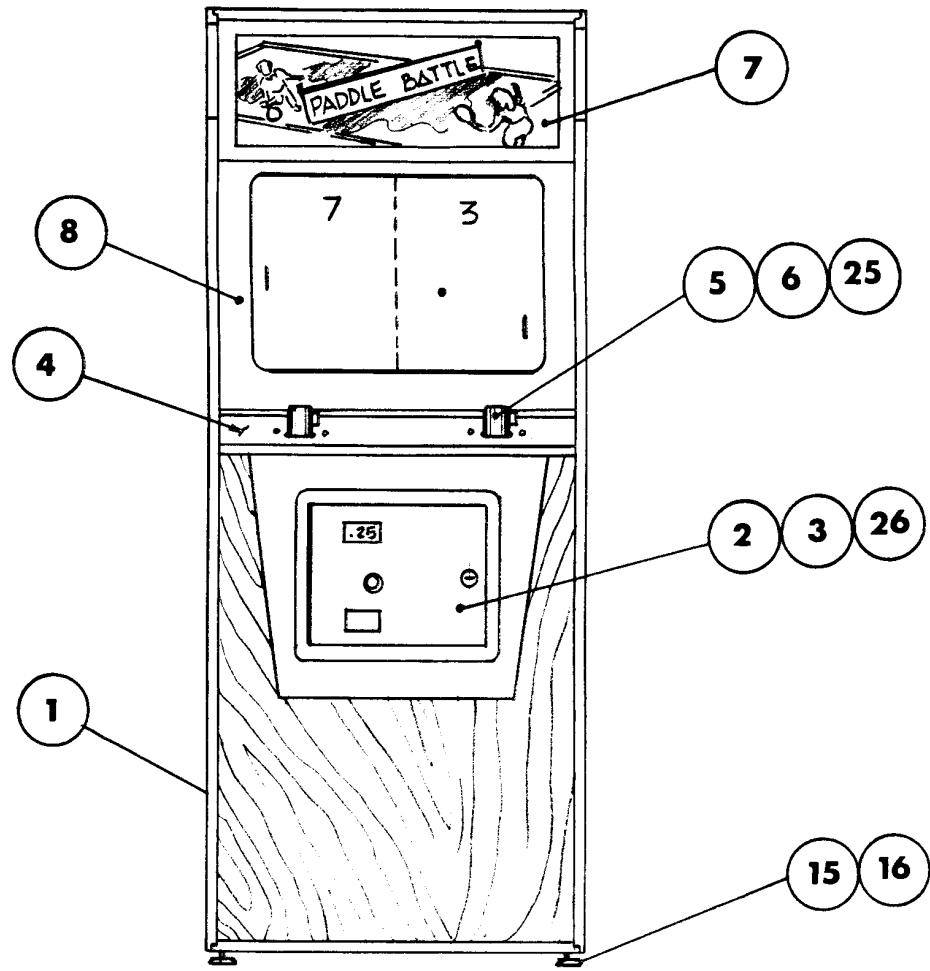
Allied's

# PADDLE BATTLE

*Parts &  
Wiring  
Catalog*

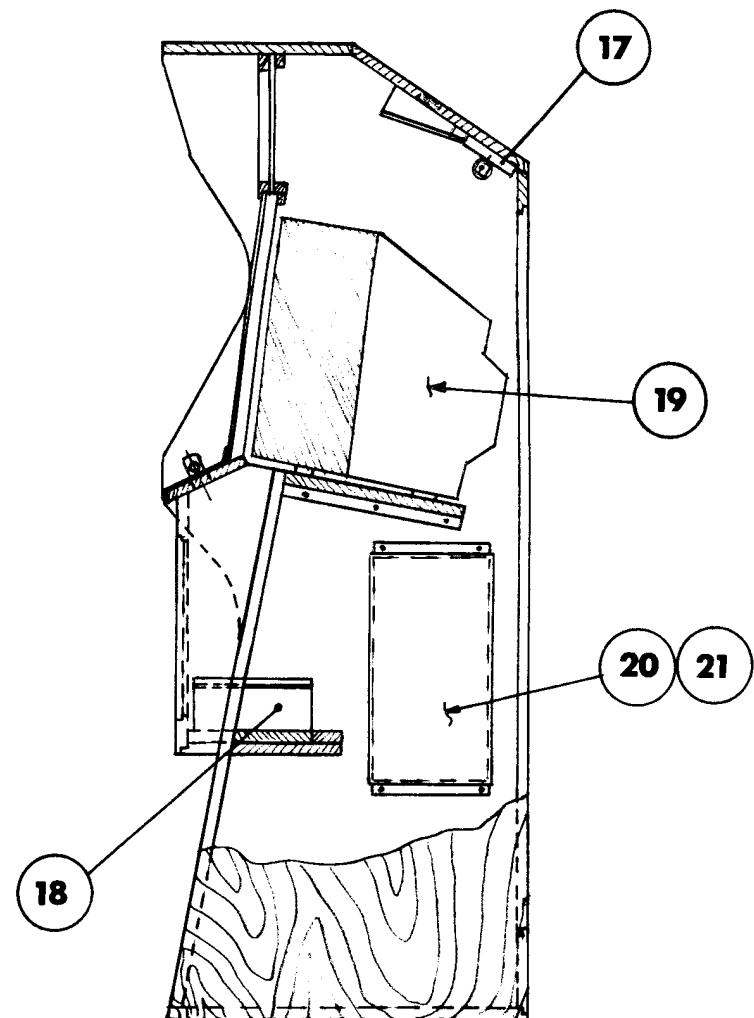


ALLIED LEISURE INDUSTRIES INC.  
245 WEST 74TH PLACE  
HIALEAH, FLORIDA 33010

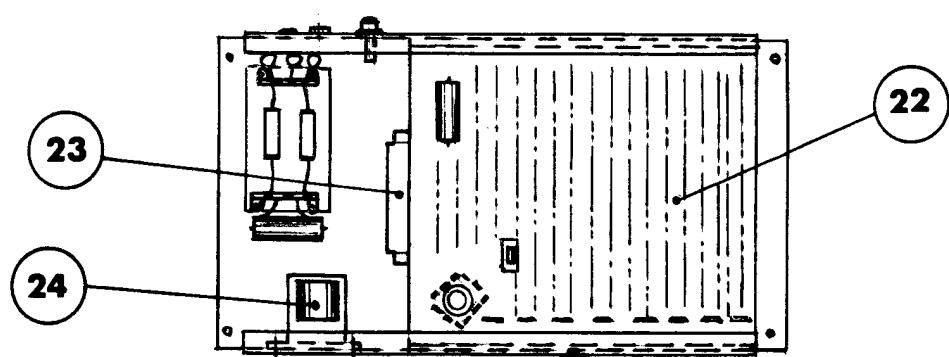


PADDLE BATTLE

<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>
1	244-1-1	Paddle Battle Cabinet for Hitachi TV
	244-1-6	Paddle Battle Cabinet for Sylv & GE
2	240-1-500	Coin Door Assy Single Acceptor
3	240-1-504	Coin Door Frame Assembly
4	244-3-4	Deck Control Cover
5	244-3-5	"Pot" Holder
6	244-9-8	5M ohm linear potentiometer
7	244-6-1	Top Glass - Paddle Battle
8	244-6-2	Smoked Grey glass (screen)
9	240-9-81	Transformer (ballast coil)
10	240-9-82	Starter Socket
11	240-9-83	Fluorescent Lamp starter
12	240-9-84	Fluorescent Lamp socket
13	240-3-45	Sky Lamp Bracket
14	242-9-53	Fluorescent Lamp
15	240-3-46	Leg Leveler Tap Plate
16	240-8-9	Leg Leveler
17	244-1-2	Top Lamp Ass'y
18	240-1-507	Cash Box Weldm't
19	244-9-1	Portable TV
20	244-1-5	Chassis Ass'y
21	244-3-11	Cover P.C.B. Chassis
22	244-9-2	P.C.B. #039 Video Control
23	244-9-12	22 Pin PCB Edge Connector
24	244-9-13	Transformer
25	244-2-1	Button control (knob)
26	244-71-2	Slam Switch

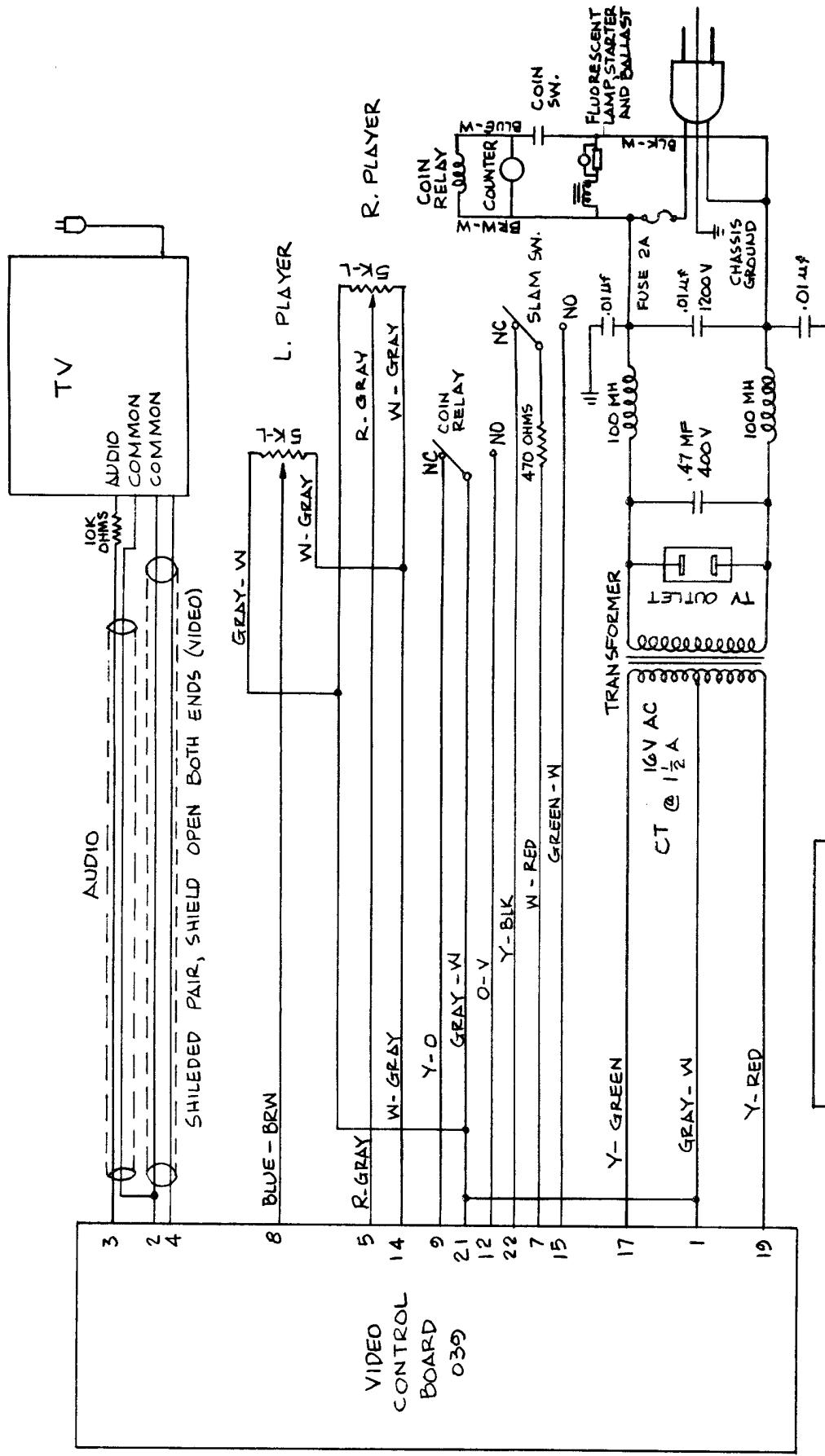


SIDE VIEW - CABINET



P.C.B. CHASSIS ASS'Y

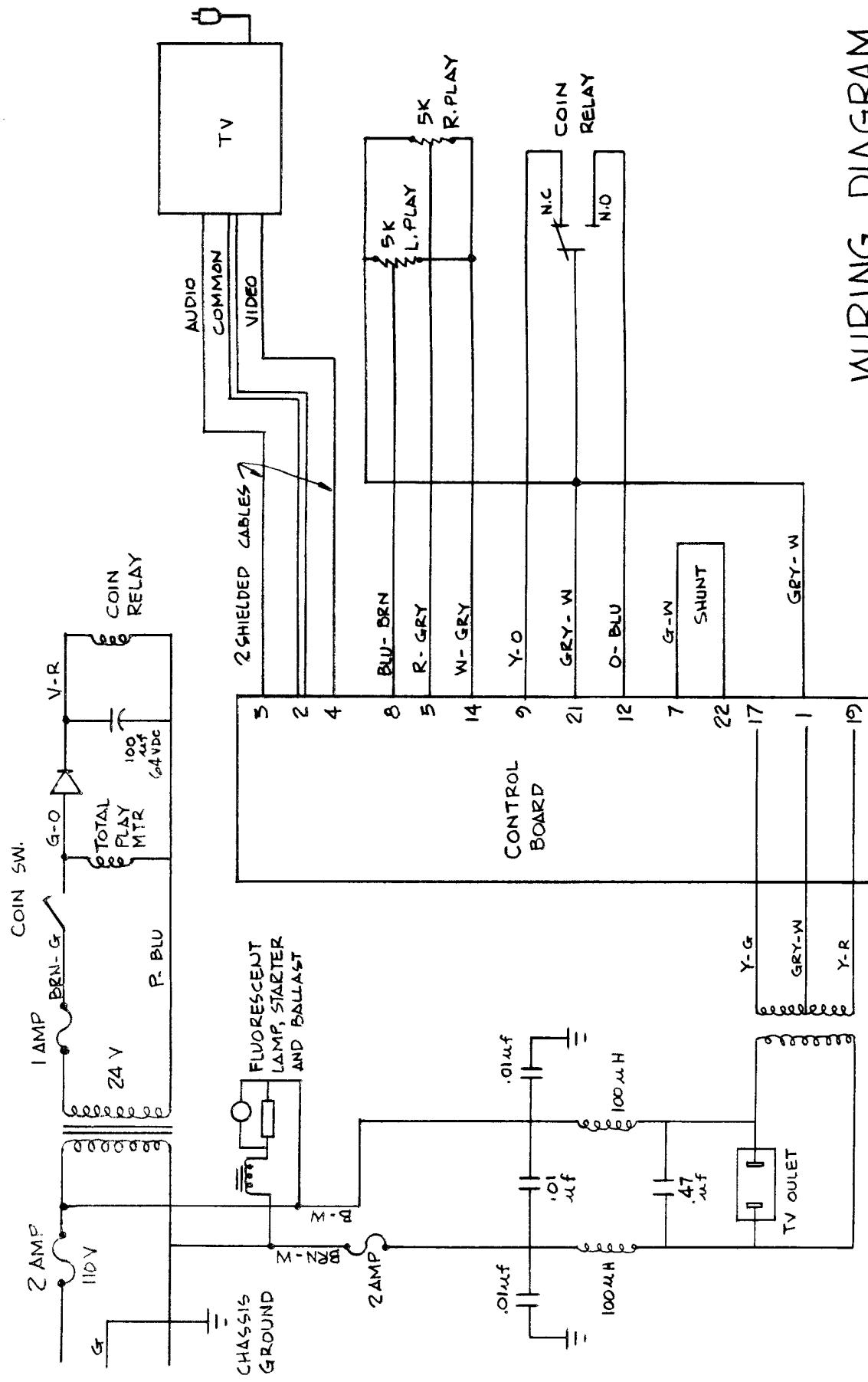
## WIRING DIAGRAM



Note:

1. NOTCH AT PIN 6 AND 13
2. 10K $\Omega$  RESISTOR ADDED TO AUDIO CIRCUIT INSIDE TV. CABINET.

**PIN I** **COMPONENT SIDE**



## WIRING DIAGRAM

UP 907 SIN/S

## TROUBLESHOOTING GUIDE

### Symptom

1. No video or sound

### Problem

Coin switch stuck down  
PC board edge connector loose  
Television input or power line  
disconnected  
Television or control PC board bad

2 Sound but no video

Open video line (untaped shielded  
cable)  
Television out of adjustment (see  
set up procedure)  
Television or control board bad

3. Video but no sound

Same as No. 2 except audio shielded  
line open (taped shielded cable)  
(See set up procedure for access to  
television controls)

4. Picture distorted or out  
of center

See set up procedure

5. Right or left paddle moves  
irratically

Potentiometer dirty or worn out

6 Game shuts off before 11 or  
15 setting

Slam switch not enough tension on  
normally closed contacts. Capacitor  
lead on chassis filter assembly open.  
Lead on slam switch wires open.

Note: Remove front panel for access to Television controls

## Maintenance and Adjustment procedure:

### 1. Television connections and controls

1. Plug power cord into control chassis and connect the shielded input wires.
2. Activate coin switch and adjust game per the following:  
(Note: Remove front panel for access to television controls)
  - A. Volume - adjust to desired level, approximately 3/4 full for normal location.
  - B. Brightness - turn from bright until background light disappears.
  - C. Contrast - adjust to maximum without distorting numbers on screen.

The following are preset at Allied Leisure

- D. Vertical size adjust until net clears top and bottom by 1/4 to 1/2 inch.
- E. Vertical linearity adjust for equal spacing of dot segments.
- F. Horizontal position - adjust to center and back off until picture holds when television is cycled off and on.

### 11. Control Chassis

1. Paddle adjustment-turn front panel knobs to full down position. Adjust trimmers (located on top of control PC board) to move paddles to bottom of screen. Back off until full paddle length is in view.
2. 11-15 adjustment - set switch on control PC board as desired.
3. Replacing video board - insert board, connector end first with component side showing. Connect the two 3-pin plugs matching wire colors. 22-pin PC board edge connector is keyed with pin 1 on the right side as viewed in game cabinet.

### 111. Front Panel

1. Potentiometer front glass replacement - open cash door and remove the two wing nuts holding front panel in place.
2. Remove and replace potentiometers as required.
3. Touch tape to bottom of front glass and pull out for removal.

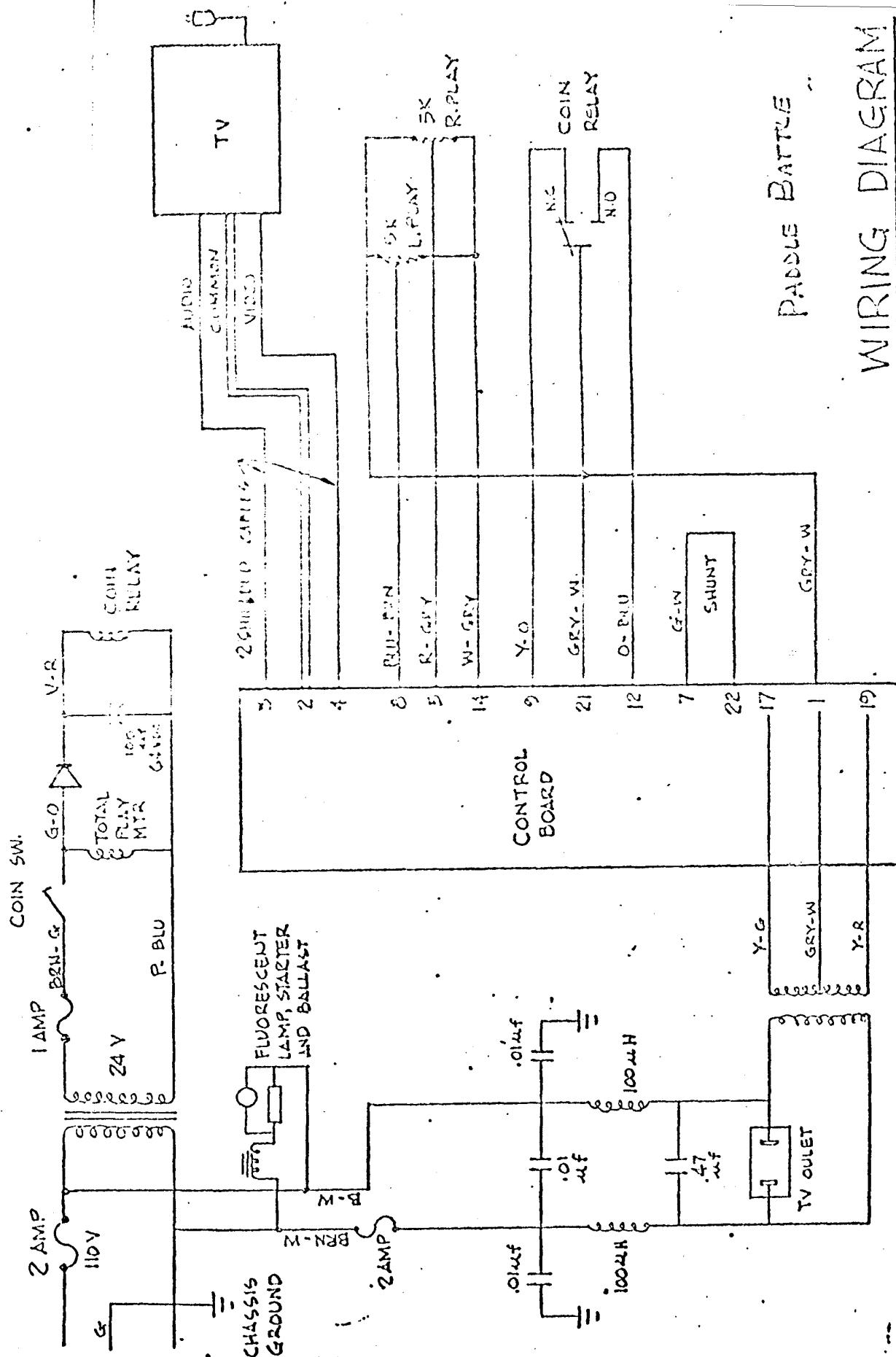
NOTE: TO AVOID DAMAGE TO TELEVISION, DISCONNECT 3-WIRE CONNECTOR

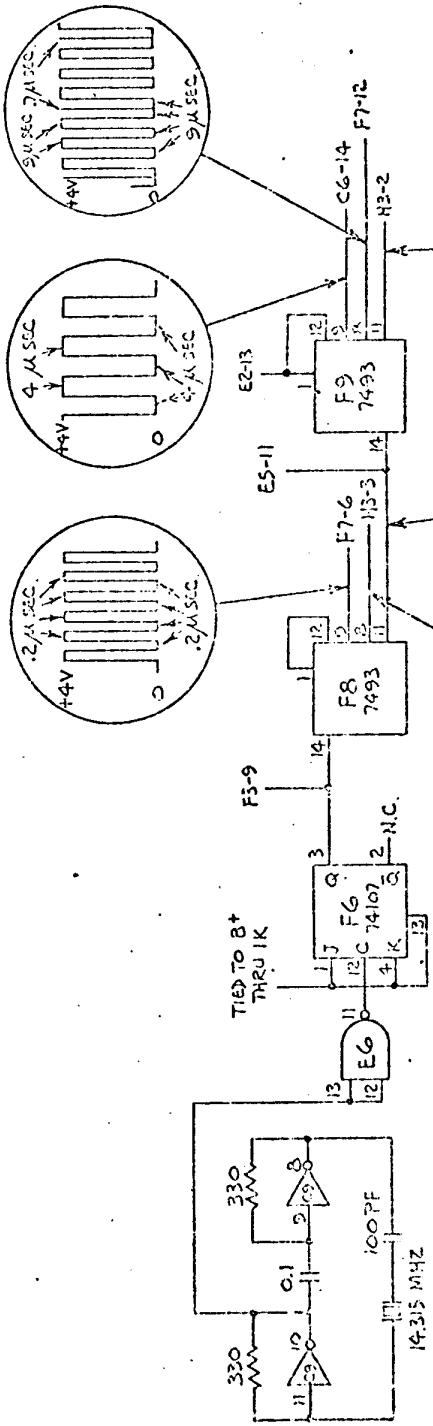
(LOCATED ON BOTTOM OF TELEVISION) BEFORE REMOVING TELEVISION FOR SERVICING.

SHIN'S GOT UP

## WIRING DIAGRAM

PALETTE BATTERY

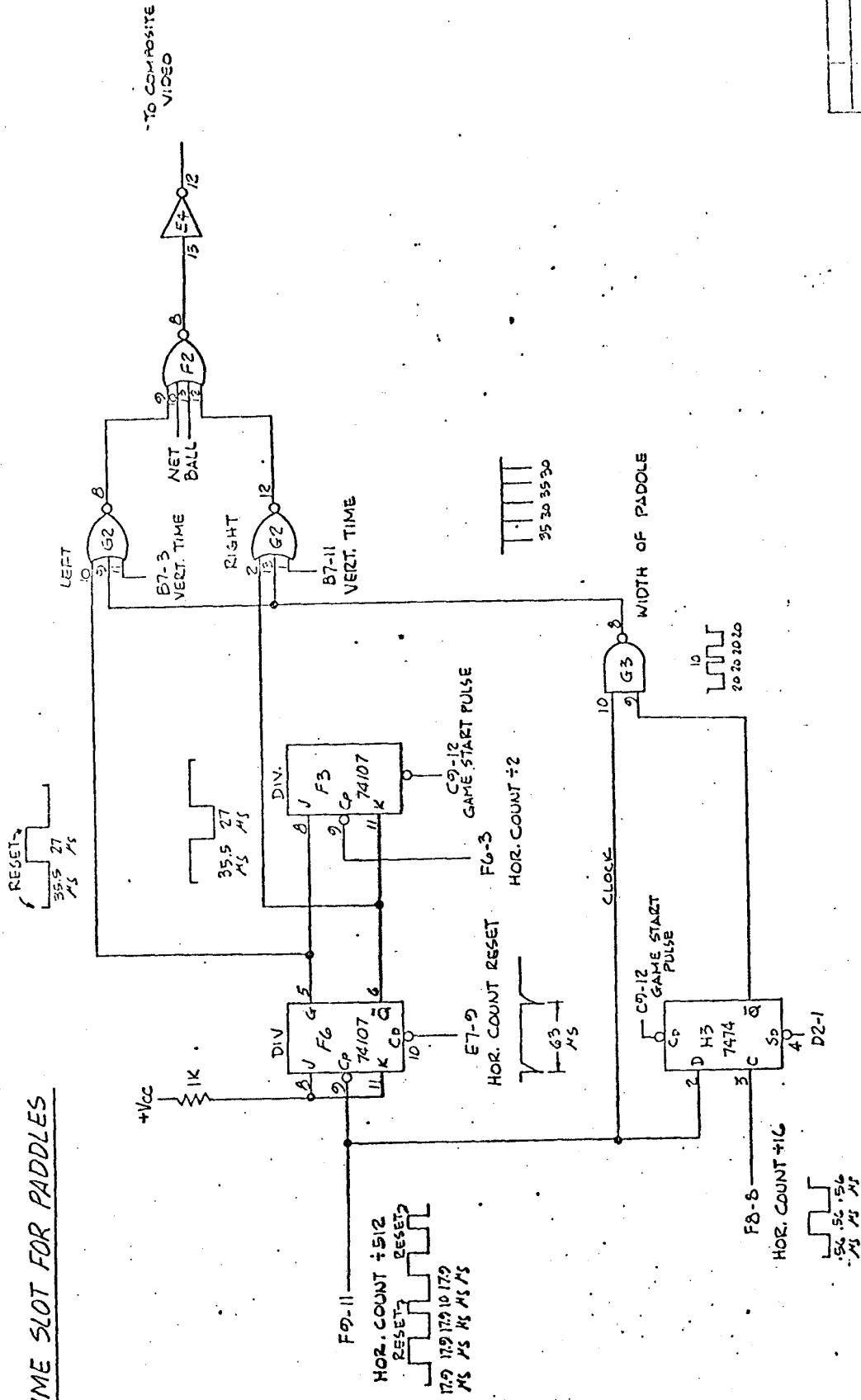




SCOPE PRESETS

1. HORIZ. SWEEP - CALIBRATE.  
2. VOLTS/CM - CALIBRATE.  
3. HORIZ. DISPLAY-INTERVAL SWEEP.  
4. VERTICAL SIGNAL NOT INVERTED

## HORIZONTAL TIME SLOT FOR PADDLES

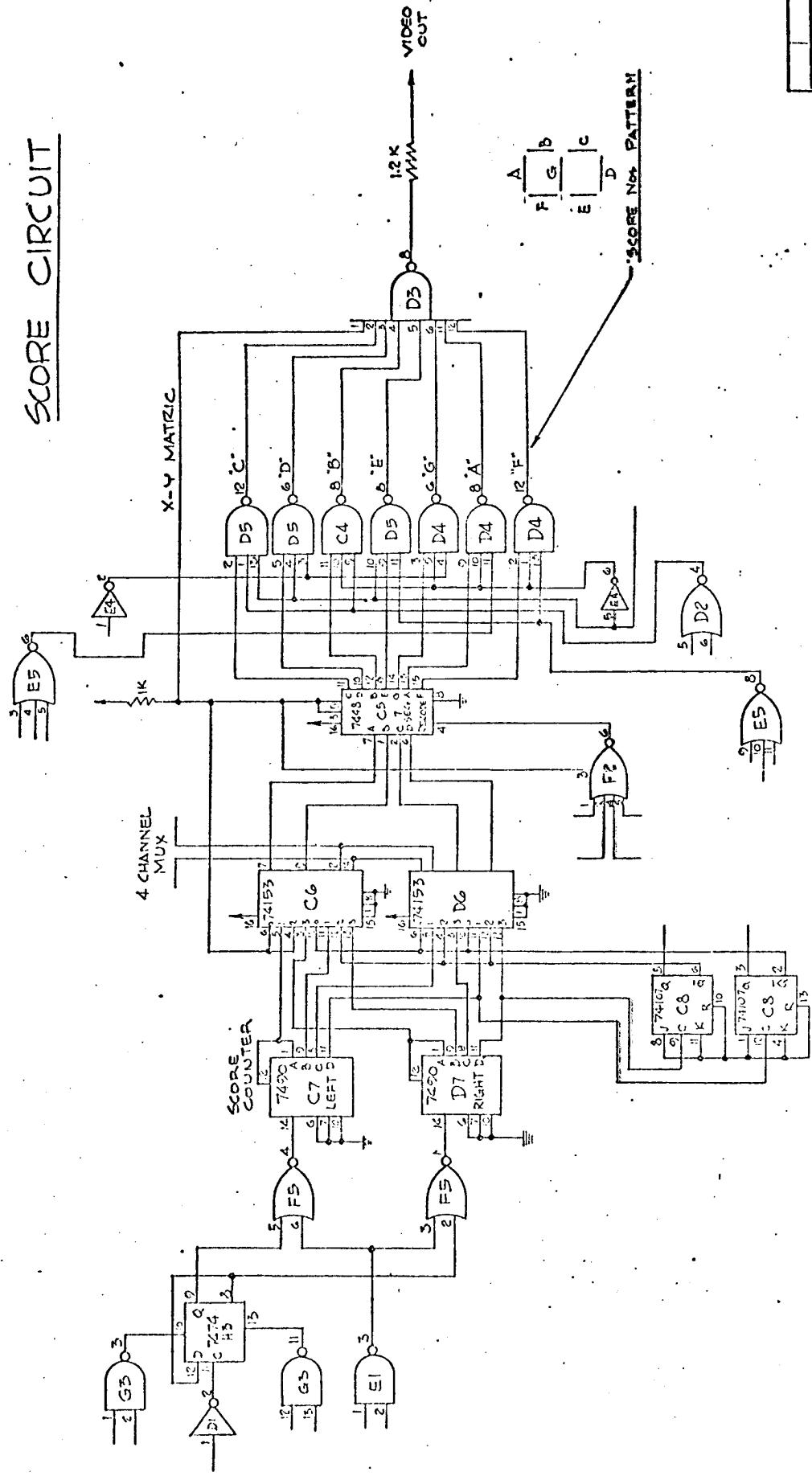


## -PADDLE BATTLE

ALLIED LEISURE INDUSTRIES INC. 1000 N. 100 E. SUITE 100, BLOOMINGTON, IN 47401

ALLIED LEISURE INDUSTRIES INC.						
1700 W. 4TH AVENUE						
MAILING: FEDERAL 23310						
D	-	-	NAME	1700 W. 4TH AVENUE	MAILING: FEDERAL 23310	
C	-	-	NAME	HOLLYWOOD, CALIFORNIA	MAILING: FEDERAL 23310	
B	-	-	NAME	HOLLYWOOD, CALIFORNIA	MAILING: FEDERAL 23310	
A	-	-	NAME	HOLLYWOOD, CALIFORNIA	MAILING: FEDERAL 23310	
REVISION LETTER	REVISION	BY	NAME	HOLLYWOOD, CALIFORNIA	MAILING: FEDERAL 23310	
UNLESS OTHERWISE SPECIFIED	UNLESS OTHERWISE SPECIFIED	UNLESS OTHERWISE SPECIFIED	NAME	HOLLYWOOD, CALIFORNIA	MAILING: FEDERAL 23310	
FRACTIONS	$\pm$	.0001	NAME	HOLLYWOOD, CALIFORNIA	MAILING: FEDERAL 23310	
DECIMALS	$\pm$	.01	NAME	HOLLYWOOD, CALIFORNIA	MAILING: FEDERAL 23310	
DECIMALS	$\pm$	.005	NAME	HOLLYWOOD, CALIFORNIA	MAILING: FEDERAL 23310	
HOLDS	$\pm$	.002	NAME	HOLLYWOOD, CALIFORNIA	MAILING: FEDERAL 23310	
ANGLES	$\pm$	$\frac{1}{2}^{\circ}$	NAME	HOLLYWOOD, CALIFORNIA	MAILING: FEDERAL 23310	

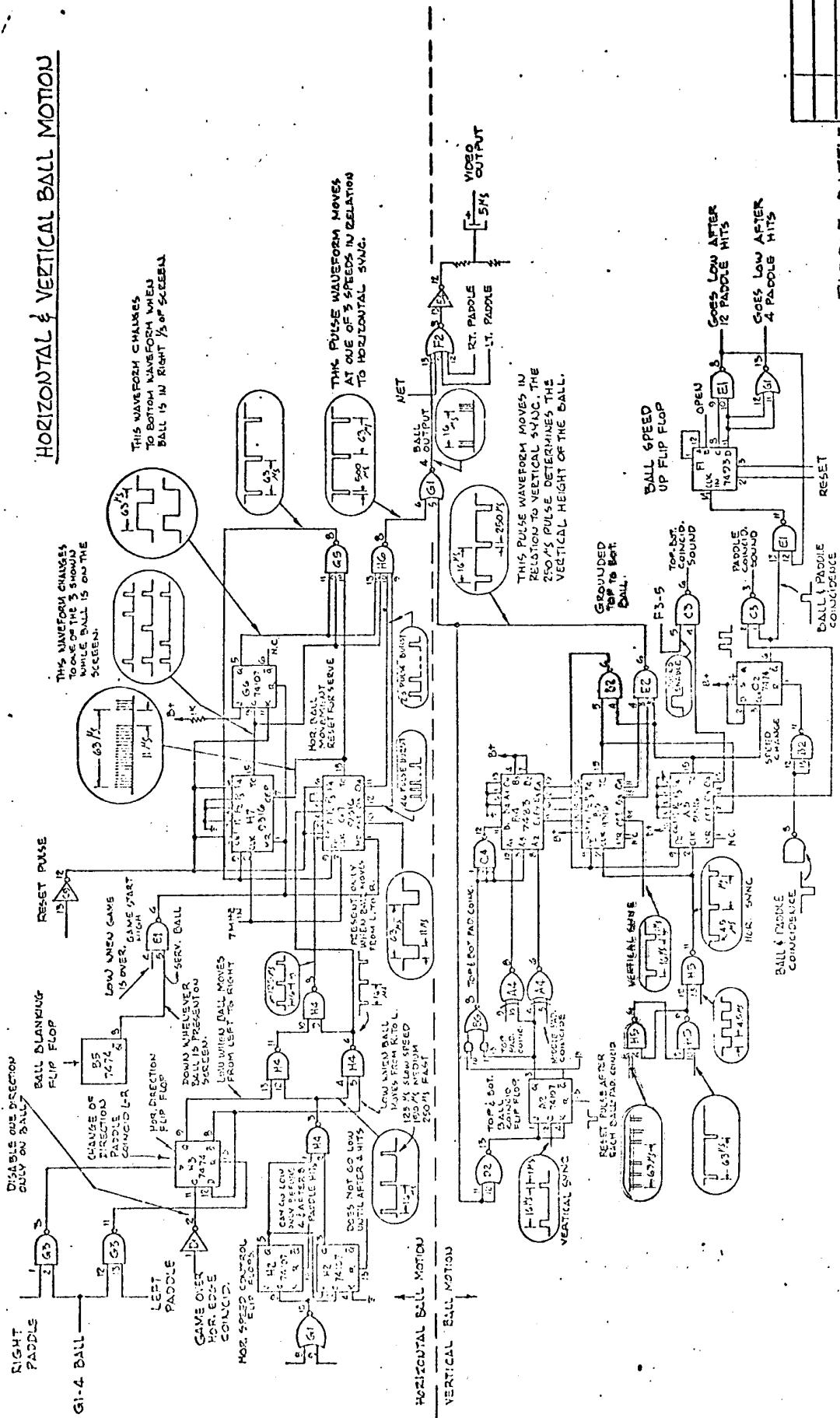
# SCORE CIRCUIT



## - PADDLE BATTLE -

ALLIED LEISURE INDUSTRIES INC.	
1750 W. 4TH AVENUE HAILEY, IDAHO 83333	
NAME: SCORE CIRCUIT	
REV. LETTER	REVISION
D	BY
C	REVISION
B	BY
A	REVISION
TOLERANCES UNLESS OTHERWISE SPECIFIED	
FRACTIONS	± 1/64
DECIMALS	± .01
DECIMALS	± .005
HOLEs	± .002
ANGLES	± 1/2°
OWN. CT	APP'D.
DATE 7-26-72	
SCALE	
PART NO.	

## HORIZONTAL & VERTICAL BALL MOTION

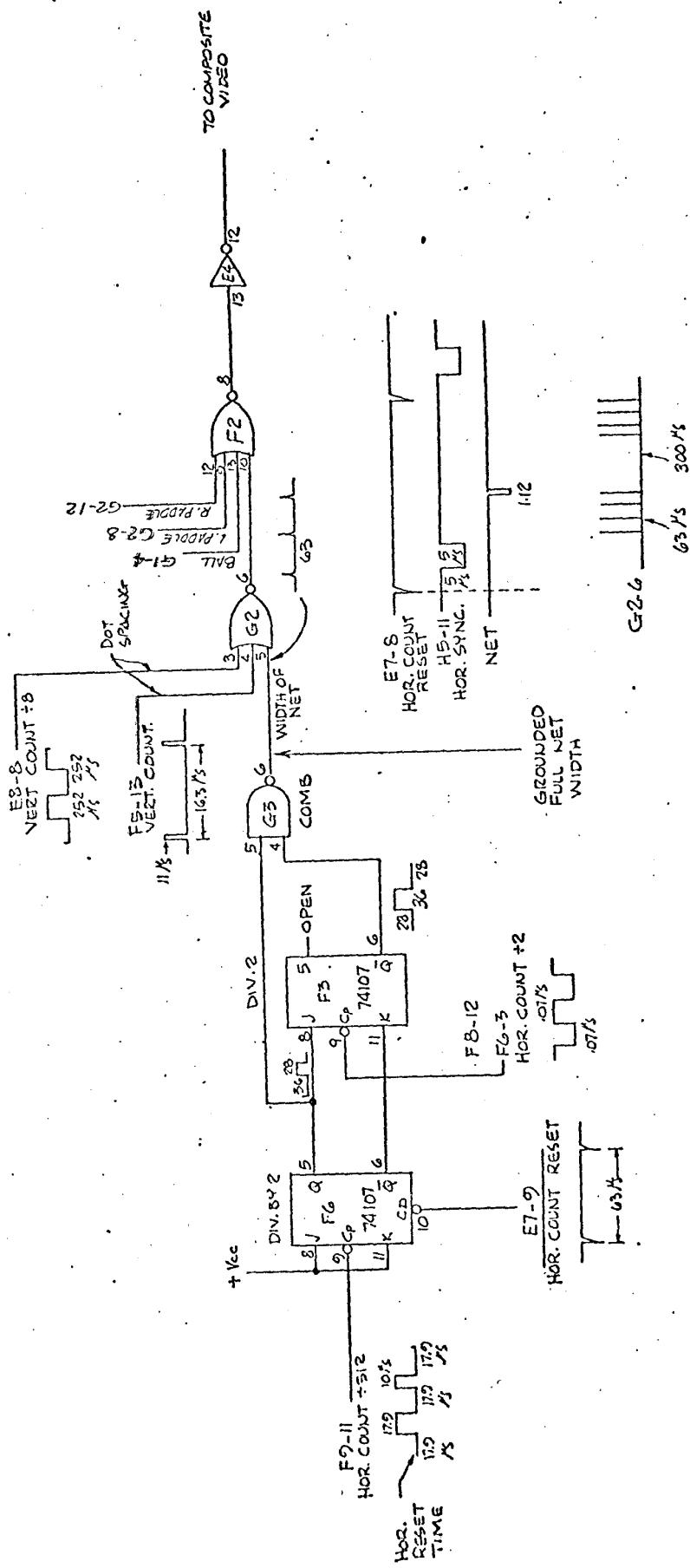


**— PADDLE BATTE** or.  
**ED LEISURE INDUSTRIES INC.**

1700 W. 4TH AVENUE  
HIALEAH, FLORIDA

ALLIED LEISURE INDUSTRIES INC.		
1760 W. 4TH AVENUE MIAMI, FLORIDA 33101		
TOLERANCES		
UNLESS OTHERWISE SPECIFIED		
D	FRACTIONS	± 1/64
C	DECIMALS	± .01
S	DECIMALS	± .005
A	HOLDS	± .002
	ANGLES	± 1°
REVISION NUMBER	REVISION	BY

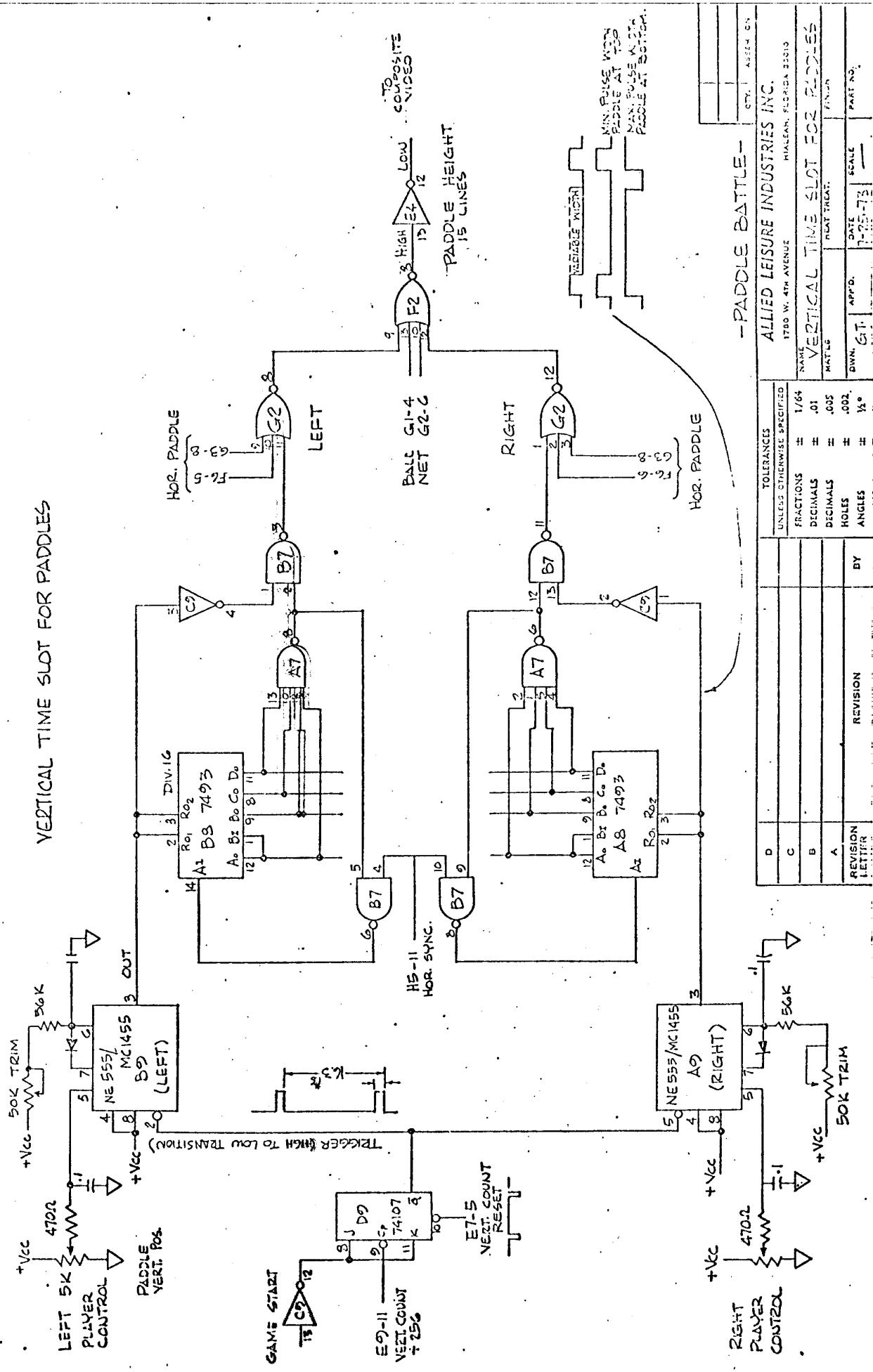
NET



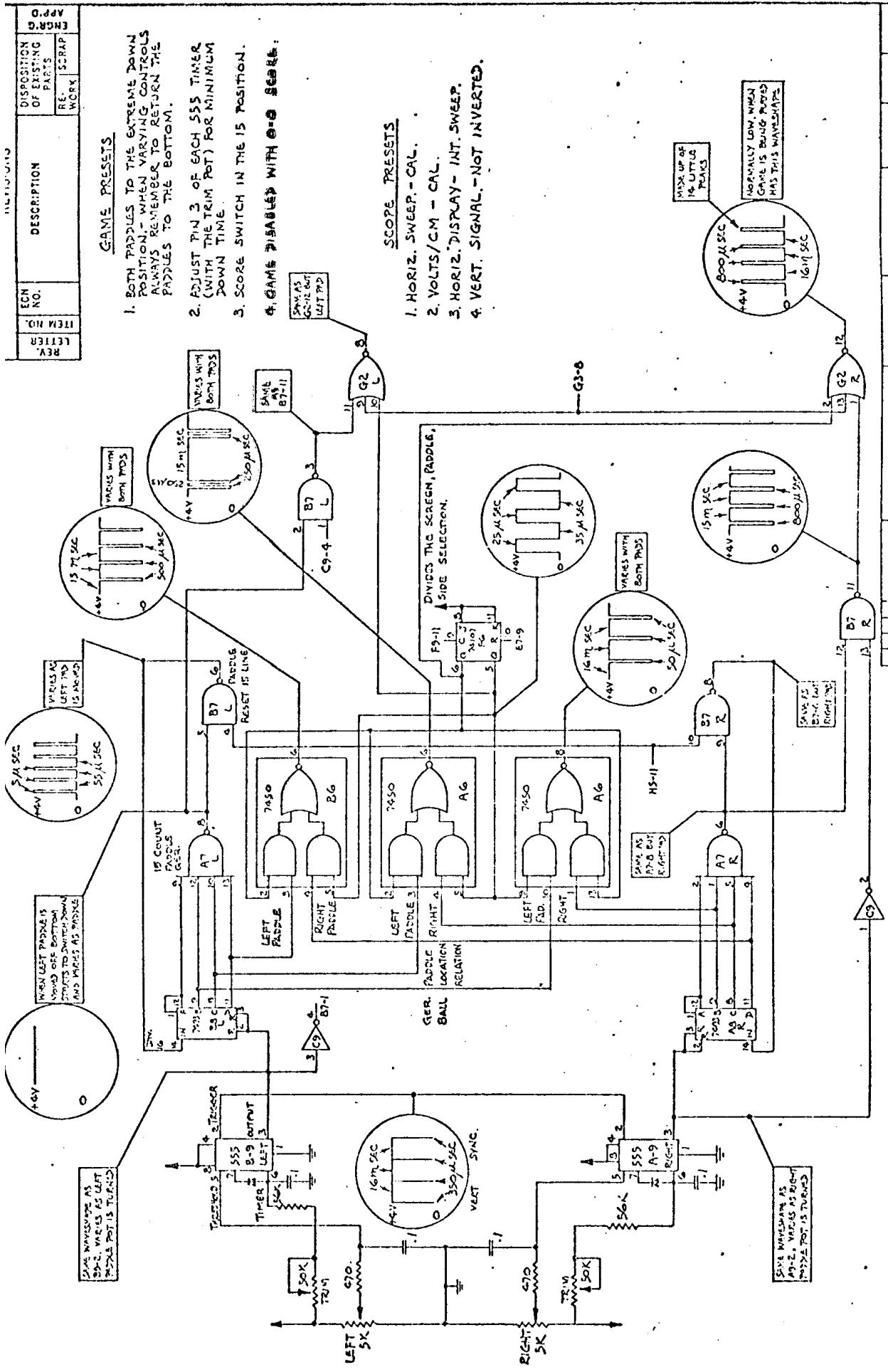
- PADDLE BATTLE -

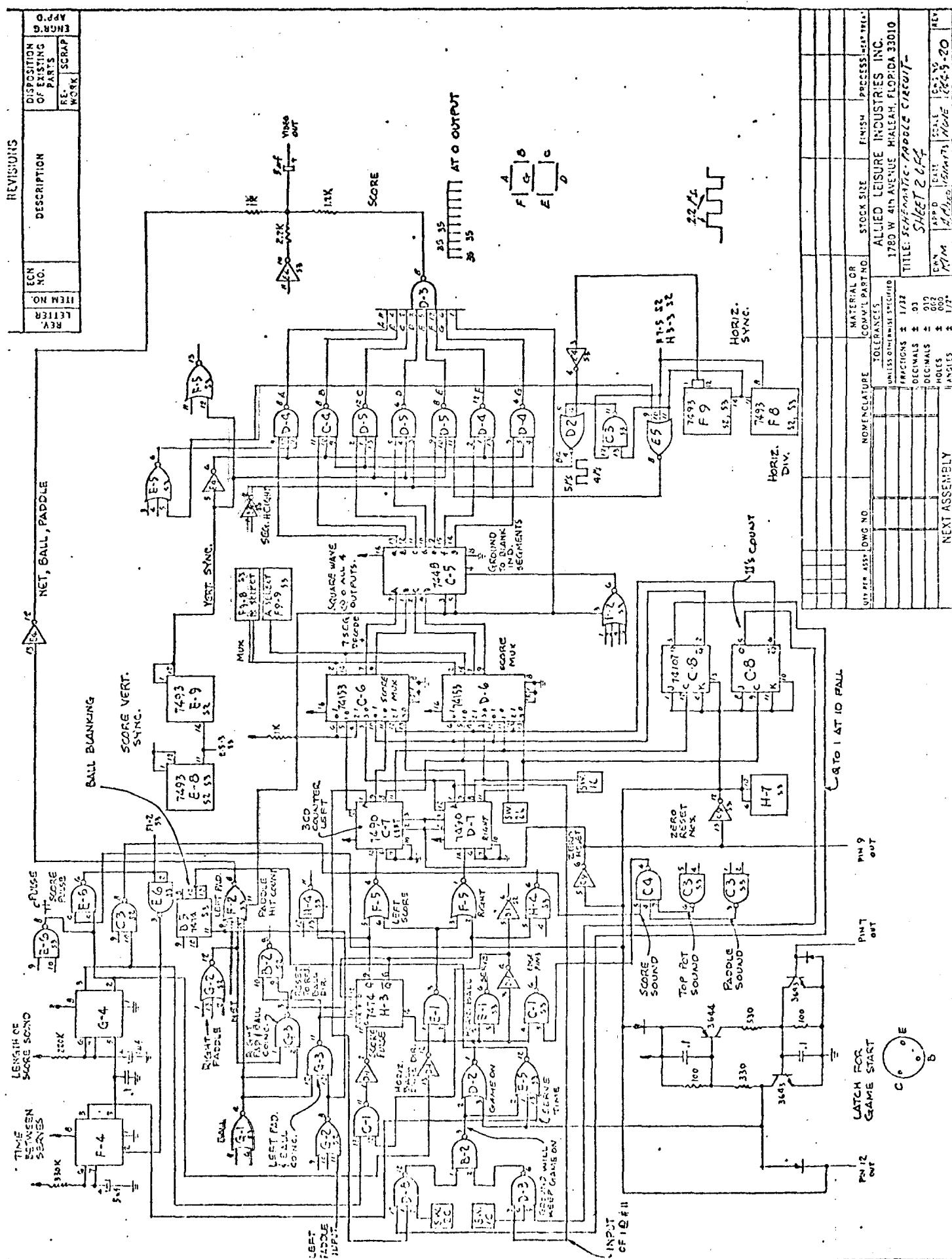
ALLIED LEISURE INDUSTRIES INC.		CITY	ASSEN. CN
MIAMI, FLORIDA 33113			
NAME	NET		
NET			
NET TREAT.			
NET			
DATE			
DOWN			
C.T.			
APPD.			
SCALE			
7-25-73			
PAK. NO.			

TOLERANCES		UNLESS OTHERWISE SPECIFIED	
FRACTIONS	± 1/64	NAME	NET
DECIMALS	± .01	NET	
DECIMALS	± .005	NET TREAT.	
HOLDS	± .002	NET	
ANGLES	± 1°	DATE	
		DOWN	
		C.T.	
		APPD.	
		SCALE	
		7-25-73	
		PAK. NO.	

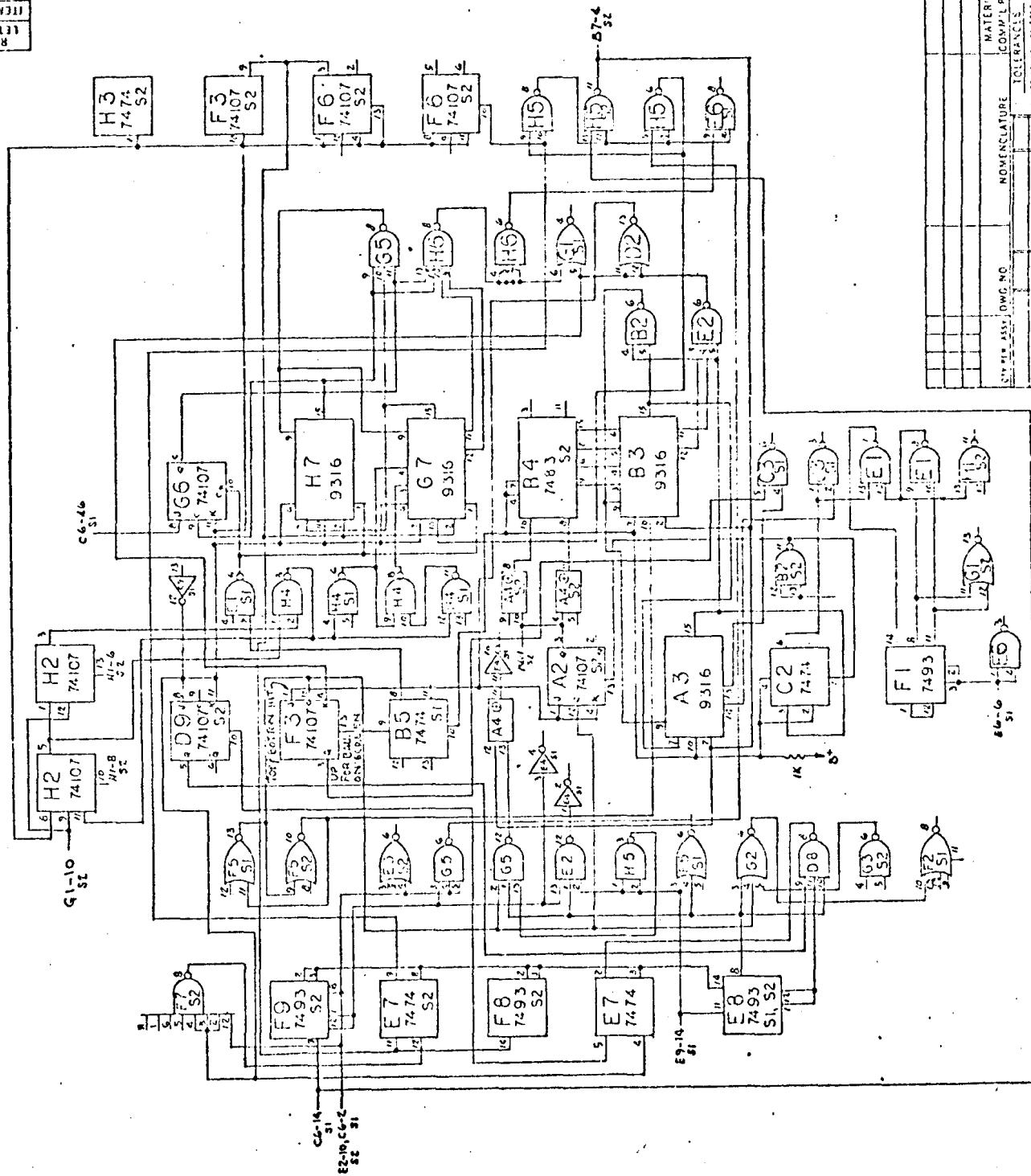


ITEM NO.	DESCRIPTION	DISPOSITION OF EXISTING PARTS		RE- WORK	SCRAP
		APP'D	ENGR'D		
REV. LETTER	ITEM NO.	ECN. NO.			





REVISIONS		DESCRIPTION	DISPOSITION OF EXISTING PAGES		RE-SCRP	WORK	APPROVED
REV.	LETTER		ECN NO.	FILED NO.			



20261 12 CP DRINK

